

CLAIMS

1. Dispensing device for drinks or similar dosable liquid
10 foodstuffs, in particular coffee and/or milk or similar hot
drinks, comprising

- Supply means (5, 6) to supply at least two different hot
drinks;
- Filling outlets (20, 20') to fill at least one container
15 (1, 2) with the hot drinks;
- Valve means (30) to block and open drink pipelines (9)
between the supply means (5, 6) and the filling outlets
(20, 20'),

characterized in that

20 the valve means (30) are designed so that accessory
pipelines (11, 12, 15) for supplying and/or carrying away
flushing agents for cleaning, hot water or steam for
prewarming, or similar accessory fluids can be connected
to the valve means (30) instead of the drink pipelines
25 (9), so as to treat the valve means (30) in the regions
through which the hot drinks flow.

2. Dispensing device according to Claim 1,
characterized in that the valve means (30) comprise at
least one sliding element (40, 50) that can be moved by a

- 17 -

motor and incorporates at least two channels (41, 42; 52, 53), each of which in a first position is assigned to at least one particular mode of operation for dispensing the hot drink, and in a second position is connected to the accessory pipelines (11, 12).

- 5 3. Dispensing device according to one of the preceding claims,
 characterized in that the sliding element (40, 50) is constructed as a rotary disk.

- 10 4. Dispensing device according to one of the claims 2 or 3,
 characterized in that the filling outlets (20, 20') are mounted directly adjacent to the sliding element (40, 50).

- 15 5. Dispensing device according to one of the claims 2 to 4,
 characterized in that two or more sliding elements (40, 50) are provided and contain channels (41, 42; 52, 53) such that two or more hot drinks can be supplied to the same filling outlets (20, 20') either simultaneously or sequentially, as desired.

- 20 6. Dispensing device according to one of the preceding claims,
 characterized in that the filling outlets (20, 20') are provided with at least two flow channels (21, 22) separated in such a way that the hot drinks flowing through the separated flow channels (21, 22) are not mixed until after they have left the filling outlets (20, 20'), i.e. are mixed essentially while in the container (1, 2).

- 25 7. Dispensing device according to one of the claims 2 to 5,
 characterized in that the channels (41, 42; 51, 52) can be connected to one another in such a way that accessory fluid can flow through several channels (41, 42; 51, 52) simultaneously.

- 18 -

8. Dispensing device according to one of the preceding claims,
characterized in that a single accessory pipeline (15) is provided to carry away accessory fluid, the accessory fluid can be passed through the drink pipelines (9) and the drink pipelines (9) can be blocked off at a site directly ahead, in the flow direction, of the inflow openings for the accessory fluid.

9. Dispensing device according to one of the preceding claims,
characterized in that control means (3) are provided and are constructed in such a way that after a drink-filling process is completed a rinsing process can be carried out.

10. Dispensing device according to one of the preceding claims,
characterized in that there is integrated into in the valve means (30) a foaming device to produce foam, in particular of milk, by means of steam and/or air.